INDEX

OF THE

JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION

VOLUME XXVII
Nos. 177–180
and 177A (Proceedings)

1932

Bus. Adm.

CONTENTS

(*Note:* The asterisk (*) after the page number designates page reference in the Proceedings Supplement, 177 A)

ARTICLES AND FEATURED NOTES

Advertising, Some Applications of Statistical Technique to the Problems of	A. T. Falk	188*
Advertising Results, Practical Methods for the Measurement of	W. J. Reilly	206*
Bankruptcy, Some Social and Economic Antecedents of	J. H. Cover	117*
Birth Rate, A Field Study of the Differential	H. S. Conrad and H. E. Jones	153
Blindness, Problems in Determining the Extent of	E. V. McKay	47*
Brokers' Loans	L. H. Haney	65*
Building Activity, Limitations of Financial Statistics Relating to	W. C. Clark	133*
Building Occupancy Surveys, Progress in Making	J. R. Riggleman	130*
Building Permits as a Basis for Analyzing Building Activity	J. H. Cover	126*
Business Cycle, The Immediate Cause of the	W. I. King	218*
Business Cycles: The Problem of Diagnosis	J. M. Clark	212*
Census of Distribution	R. J. McFall	302
Composition and Characteristics of a Typical City Analyzed by Census Tracts	H. W. Green	80*
Correctional Treatment, Evaluating the Results of	B. Mead	30*
Correlation, Some Characteristics of the Graphic Method of	W. C. Waite	68
Correlation, Further Remarks on the Graphic Method of		
I. A Reply	M. Ezekiel	183
II. Rejoinder	W. C. Waite	185
Correlation Coefficient: Some Further Results, The Test of Significance for the	E. S. Pearson	424
Depression, The Exit from the	F. Bennett	236*
Depression: Its Relation to the Competitive Production of Durable Products	A. D. Schultz	231*
Displacement of Workers Through Increases in Efficiency and their Absorption By Industry 1920–1931	D. Weintraub	383
Divorce, Probability of	A. Cahen, Jr.	42*
Economic Factors in Negro Migration	E. E. Lewis	45
Elders in Our Population, Increase and Distribution of	P. K. Whelpton	92*
Employment in Detroit Factories, 1921–1931, Fluctuations in	W. Haber	141
Fertility of Social Classes in Various Types of Communities of the East North Central States in 1900	C. V. Kiser	371
Gold, International Credits and Depression	J. H. Rogers	237
Gold Standard, International Aspects of the	J. P. Young	11*

Graphic Comparisons by Bars, Squares, Circles and Cubes	F. E. Croxton and H. Stein	54
Inadequacy of Census Data for Individual Industries, The	G. E. McLaughlin	37
Index Numbers in Mathematical Economics	G. R. Davies	58*
Index of Unemployment and Part-Time Employment in Philadelphia, An	E. H. Welch	152*
Indexes, A Method of Calculating Weekly Seasonal	L. M. Piser	307
Indexes of the Physical Volume Production of Producers' and Consumers' Goods	Y. S. Leong	21
Indexes of Production, A Comparative Study of the	Y. S. Leong	256
Industrial Disputes, 1922–1930, The Trend of	H. M. Douty	168
Insanity Distribution by Local Areas	R. E. L. Faris	53*
Interpolation for Populations Whose Rate of Increase is Declining	T. J. Woofter, Jr.	180
Marriage in Two Mexican Localities of Divergent Types, Note on Age at Time of	P. S. Taylor	427
Marriages Which End in Divorce with Special Reference to the State of Wisconsin, Variation in the Duration of	K. Young and C. L. Dedrick	160
Mathematical Statistics, Some Fundamental Concepts of	B. H. Camp	148*
Mechanical Tabulation, Adaptation of New Geometric Code to Multiple Punching in	H. L. Dunn	279
Mental Disease, Life Tables for Patients with	B. Malzberg	160*
Mental Disease Before and After Prohibition, Alcoholic	F. W. Brown	175*
Mental Disease, 1931, Economic Loss to New York State and the United States on Account of	H. M. Pollock	179*
Mortality Statistics, The Effect of Allocation of Non-Resident Deaths upon Official	H. F. Dorn	401
Multiple Regression Constants, A General Method for Evaluating	P. Horst	270
Normal Correlation Surface, Using Circles instead of Ellipses, An Improved Equal-Frequency Map of the	E. V. Huntington	251
Errata		431
Old Age Relief Operations in New York State, First Eleven Months of	D. M. Schneider	113*
Older Worker—the Economically Middle Aged and Aged, The Employment of the	S. Barkin	102*
Parabolic Curves, Summation Methods in Fitting	F. F. Stephan	413
Part Correlation, On the Coefficient of	H. D. Griffin	298
Part Correlation and of Correlation of a Dependent Variable with All but One of a Group of Other Variables, A Note on the Coefficient of	D. R. G. Cowan	177
Partial Correlation, A Model to Aid in Teaching	H. M. Walker and W. N. Durost	71
Population and Business Planning, Future	E. C. Bratt	40*
Population Censuses before 1790	A. B. Wolfe	357

Sales Potentials, Use of Correlation in the Measurement of	L. D. H. Weld	202*
Samples, Factors in the Reliability of	D. Starch	190*
Sampling Distribution of the Correlation Coefficient, Further Experiments on the	L. Cheshire, E. Oldis and E. S. Pearson	121
Savings, The Effects of Deficits in National	M. C. Rorty	144*
Seasonal Pattern and Seasonal Amplitude: Measurement of Their Short-Time Variations	S. Kuznets	9
Social Science Abstracts, Summary of Papers Presented at the Joint Luncheon on	F. S. Chapin	123*
Stability, Proposal of a Coefficient of	C. H. Forsyth	173
Standard Deviation, Graphic Presentation of	L. A. Maverick	287
Statistics and Art	W. F. Ogburn	1
Tabulation of Population Data by Census Tracts for Cities in The United States, The	L. E. Truesdell	76*
Teacher, The Status of the Retired	I. M. Smith	109*
"Trends in Residuals" in Constructing Demand Curves, The Use of	L. H. Bean and G. B. Thorne	61
Unemployment, Technological Change as a Factor in	Boris Stern	73*
World Prices and the Precious Metals	L. C. Wilcoxen	129
Youthful Offenders in New York City, A Statistical Study of	H. M. Shulman	19*

SHORT NOTES

Annual Meeting, Program of . . . 1*
Annual Business Meeting, Minutes of the Ninety-third . . . 243*
Report of the Secretary . . . 247*
" " " Treasurer . . . 248*
" " " Auditing Committee . . . 250*
" " " Editor of the Journal . . . 251*
" " " " " " Annals . . . 251*
" " " Committee Appointed to Advise on a Program of Research in Statistics and on Related Matters of Association Policy . . . 252*
" " " Representatives on the Social Science Research Council 259*
" on the Work of the National Conference on Nomenclature of Disease . . . 260*
" of the Committee on Governmental Labor Statistics . . . 264*
" " " Committee on Institutional Statistics . . . 268*
" " " Committee on Census Enumeration Areas . . . 270*
" " " Representative on the Joint Committee for the Development of Statistical Applications in Engineering and Manufacturing . . . 272*
" " " Committee on Monographs . . . 272*
" " " Joint Advisory Committee on the Census . . . 272*
" " " Committee on Fellows . . . 272*
" " " Real Estate Statistics Committee . . . 273*
" " " Representative on American Yearbook . . . 273*
Committees for 1932 . . . 274*, 212
Advertising Research, Meeting on Statistical Methods in . . . W. I. King . . . 319

Birth, Death and Marriage Rates of Large German Cities in 1931	E. W. KOPF	192
Census Bureau, Progress of Work in the	J. A. HILL	90, 201, 436
Correction, A	B. D. MUDGETT and R. FRISCH	187
Errata	E. V. HUNTINGTON	431
Financial Liquidation and Recovery, Meeting on	W. I. KING	85
Forecasting Methods Successfully Used Since 1928, Meeting on	W. I. KING	315
Forecasts of Commodity Prices, Meeting on	D. B. WOODWARD	195
Medical Care, The Costs of		190
Open Letter, An	M. GREENWOOD	310
Open Letter, An	E. F. PENROSE	186
Price Level, Meeting on the Outlook for the	W. I. KING	431
Price Level Slumps of 1920 and 1931—What Caused Them? Meeting on the	W. I. KING	78
Price Statistics, A Constructive Program for		74
Public Health, Meeting on What Statistics Contribute to	M. A. BURGESS	193
Social Science Research Council, Fellowships and Grants of the		188
Social Welfare Field, An Intelligence Service in the		187
Unemployment—Its Origin and Its Elimination, Meeting on	W. I. KING	310

REVIEWS OF BOOKS

Barrett: The Greenbacks and Resumption of Specie Payments, 1862–1879	H. P. WILLIS	448
Bingham, see Brown		
Black (Editor): Research in Public Finance in Relation to Agriculture	R. M. HAIG	103
Brown: Problems in Business Statistics	T. J. KREPS	343
Brown, Bingham and Temnomeroff: Laboratory Handbook of Statistical Methods	A. F. HINRICHS	229
Burgy: The New England Cotton Textile Industry	G. S. Mitchell	346
Bursk: Seasonal Variations in Employment in Manufacturing Industries	D. WEINTRAUB	119
Camp: The Mathematical Part of Elementary Statistics	D. H. DAVENPORT	222
Cartinhour: Branch, Group and Chain Banking	R. G. RODKEY	233
Condliffe (Editor): Problems of the Pacific, 1929	S. M. LINDSAY	234
Crocker: The Japanese Population Problem	G. I. BURCH	345
Curtis, see Statistical Contributions to Canadian History		
Dunlap and Kurtz: Handbook of Statistical Nomographs, Tables and Formulas	R. VON HUHN	348
Durand: American Industry and Commerce	W. L. THORP	111
Freeman: An Elementary Treatise on Actuarial Mathematics	R. HENDERSON	116
Frisbee, see Riggleman		
Frisch: New Methods of Measuring Marginal Utility	H. HOTELLING	451
Gavens, see Haney		

Green: Population Characteristics by Census Tracts, Cleveland, Ohio, 1930	W. I. King	347
Gumperz: Die Agrarkrise in den Vereinigten Staaten	V. P. Timoshenko	461
Haney: Business Forecasting	S. Kuznets	116
Haney, Logan and Gavens: Brokers Loans	W. Thomas	230
Hansen: Economic Stabilization in an Unbalanced World	S. E. Harris	335
Harris: Monetary Problems of the British Empire	J. G. Smith	223
Health Center Districts—Statistical Reference Handbook	I. V. Hiscock	351
Institut fuer Wirtschaftsbeobachtung: Konjunktur- und Saisonempfindlichkeit in der Fertigwarenwirtschaft	D. Weintraub	119
Kuczynski: The Balance of Births and Deaths, Vol. II	N. R. Deardorff	339
Kurtz, see Dunlap		
League of Nations: Commercial Banks, 1913–1929	W. W. Riefler	456
Logan, see Haney		
Love: Federal Financing	J. H. Hollander	109
March: Les Principes de la Méthode Statistique	W. F. Ferger	217
Mason: The Street Railway in Massachusetts	L. H. Seltzer	452
Medical Impairment Study	C. F. Cross	220
Meeker: Short Selling	H. P. Hartkemeier	449
Michell, see Statistical Contributions to Canadian History		
Moulton: Japan: An Economic and Financial Appraisal	E. F. Penrose	453
Murray: Factors Affecting the Prices of Livestock in Great Britain	M. Ezekiel	338
National Industrial Conference Board: The Competitive Position of Coal in the United States	W. H. Young	350
National Industrial Conference Board: Medical Supervision and Service in Industry	P. Williams	232
Riggleman and Frisbee: Business Statistics	W. F. Ferger	457
Russell, see Woods		
Rogers: America Weighs Her Gold	W. Thomas	112
Sheng: The Revision of the Price Index Numbers	I. Fisher	455
Shewhart: Economic Control of Quality of Manufactured Product	H. Hotelling	215
Statistical Contributions to Canadian History Vol. I. Curtis: Statistics of Banking Vol. II. Taylor: Statistics of Foreign Trade Mitchell: Statistics of Prices	W. C. Clark	341
Steffensen: Some Recent Researches in the Theory of Statistics and Actuarial Science	W. O. Menge	344
Taylor, A. E.: Corn and Hog Surplus of the Corn Belt	G. B. Thorne	459
Taylor, K. W., see Statistical Contributions to Canadian History		
Taylor, P. S.: Mexican Labor in the United States—Bethlehem, Pennsylvania	H. Jerome	120
Temnomeroff, see Brown		
Teper, L.: Hours of Labor	D. Weintraub	354

Timoshenko: The Rôle of Agricultural Fluctuations in the Business Cycle	T. O. YNTEMA	106
U. S. Department of Commerce: Price Sources	M. A. COPELAND	456
Wagemann: Struktur und Rhythmus der Weltwirtschaft	V. P. TIMOSHENKO	352
Warriner: Combines and Rationalisation in Germany, 1924–1928	A. H. STOCKDER	225
Whittlesey: Government Control of Crude Rubber	C. A. BLISS	109
Willcox (Editor): International Migrations	W. S. THOMPSON	102
Woods and Russell: An Introduction to Medical Statistics	E. W. KOPF	115
Yntema: A Mathematical Reformulation of the General Theory of International trade	J. W. ANGELL	445

MISCELLANEOUS NOTES

Pages 92, 204, 321, 438.

CONTRIBUTORS

Leading articles are marked (A); featured notes (N); short notes (n); reviews (R); and annual meeting papers in the Proceedings volume (P).

Angell, J. W., 445 (R)
Barkin, S., 102* (P)
Bean, L. H., 61 (A)
Bennett, F., 236* (P)
Bliss, C. A., 109 (R)
Bratt, E. C., 40* (P)
Brown, F. W., 175* (P)
Burch, G. I., 345 (R)
Burgess, M. A., 193 (n)
Cahen, Jr., A., 42* (P)
Camp, B. H., 148* (P)
Chapin, F. S., 123* (P)
Cheshire, L., 121 (A)
Clark, J. M., 212* (P)
Clark, W. C., 133* (P), 341 (R)
Conrad, H. S., 153 (A)
Copeland, M. A., 456 (R)
Cover, J. H., 117* (P), 126* (P)
Cowan, D. R. G., 177 (N)
Cross, C. F., 220 (R)
Croxton, F. E., 54 (A)
Davenport, D. H., 222 (R)
Davies, G. R., 58* (P)
Deardorff, N. R., 339 (R)
Dedrick, C. L., 160 (A)
Dorn, H. F., 401 (A)
Douty, H. M., 168 (A)
Dunn, H. L., 279 (A)
Durost, W. N., 71 (N)
Ezekiel, M., 183 (N), 338 (R)
Falk, A. T., 188* (P)
Faris, R. E. L., 53* (P)
Ferger, W. F., 217 (R), 457 (R)
Fisher, I., 455 (R)
Forsyth, C. H., 173 (N)
Frisch, R., 187 (n)
Green, H. W., 80* (P)
Greenwood, M., 310 (n)
Griffin, H. D., 298 (N)
Haber, W., 141 (A)
Haig, R. M., 103 (R)
Haney, L. H., 65* (P)
Harris, S. E., 335 (R)
Hartkemeier, H. P., 449 (R)
Henderson, R., 116 (R)
Hill, J. A., 90 (n), 201 (n), 436 (n)
Hinrichs, A. F., 229 (R)
Hiscock, I. V., 351 (R)
Hollander, J. H., 109 (R)
Horst, P., 270 (A)
Hotelling, H., 215 (R), 451 (R)
Huntington, E. V., 251 (A), 431 (n)
Jerome, H., 120 (R)
Jones, H. E., 153 (A)
King, W. I., 218* (P), 78 (n), 85 (n), 310 (n), 315 (n), 319 (n), 347 (R), 431 (n)
Kiser, C. V., 371 (A)
Kopf, E. W., 115 (R), 192 (n)
Kreps, T. J., 343 (R)
Kuznets, S., 9 (A), 116 (R)
Leong, Y. S., 21 (A), 256 (A)
Lewis, E. E., 45 (A)
Lindsay, S. M., 234 (R)
McFall, R. J., 302 (N)
McKay, E. C., 47* (P)
McLaughlin, G. E., 37 (A)
Malzberg, B., 160* (P)
Maverick, L. A., 287 (A)
Mead, B., 30* (P)
Menge, W. O., 344 (R)
Mitchell, G. S., 346 (R)
Mudgett, B. D., 187 (n)
Ogburn, W. F., 1 (A)
Oldis, E., 121 (A)
Pearson, E. S., 121 (A), 424 (N)
Penrose, E. F., 186 (n), 453 (R)
Piser, L. M., 307 (N)
Pollock, H. M., 179* (P)
Reilly, W. J., 206* (P)
Riefler, W. W., 456 (R)
Riggleman, J. R., 130* (P)
Rodkey, R. G., 233 (R)
Rogers, J. H., 237 (A)
Rorty, M. C., 144* (P)
Schneider, D. M., 113* (P)
Schultz, A. D., 231* (P)
Seltzer, L. H., 452 (R)
Shulman, H. M., 19* (P)
Smith, I. M., 109* (P)
Smith, J. G., 223 (R)
Starch, D., 190* (P)
Stein, H., 54 (A)
Stephan, F. F., 413 (A)
Stern, B., 73* (P)
Stockder, A. H., 225 (R)
Taylor, P. S., 427 (N)
Thomas, W., 112 (R), 230 (R)
Thompson, W. S., 102 (R)
Thorne, G. B., 61 (A), 459 (R)
Thorp, W. L., 111 (R)
Timoshenko, V. P., 352 (R), 461 (R)
Truesdell, L. E., 76* (P)
von Huhn, R., 348 (R)
Waite, W. C., 68 (N), 185 (N)
Walker, H. M., 71 (N)
Weintraub, D., 119 (R), 354 (R), 383 (A)

Welch, E. H., 152* (P)
Weld, L. D. H., 202* (P)
Whelpton, P. K., 92* (P)
Wilcoxen, L. C., 129 (A)
Williams, P., 232 (R)
Willis, H. P., 448 (R)
Wolfe, A. B., 357 (A)
Woodward, D. B., 195 (n)
Woofter, Jr., T. J., 180 (N)
Yntema, T. O., 106 (R)
Young, J. P., 11* (P)
Young, K., 160 (A)
Young, W. H., 350 (R)